Datasheet for ABIN391968

anti-FGFR2 antibody

5 Images

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Overview

Quantity:	400 µL
Target:	FGFR2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This FGFR2 antibody is generated from rabbits immunized with a his tag recombinant protein of human FGFR2.
Clone:	RB17696
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	FGFR2
Alternative Name:	FGFR2 (FGFR2 Products)
Background:	FGFR2 is a member of the fibroblast growth factor receptor family, where amino acid sequence

Target Details

	is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in FGFR2 gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis.
Molecular Weight:	92025
Gene ID:	2263
NCBI Accession:	NP_000132, NP_001138385, NP_001138386, NP_001138387, NP_001138388, NP_001138389, NP_001138390, NP_001138391, NP_075259, NP_075418
UniProt:	P21802
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Growth Factor Binding

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

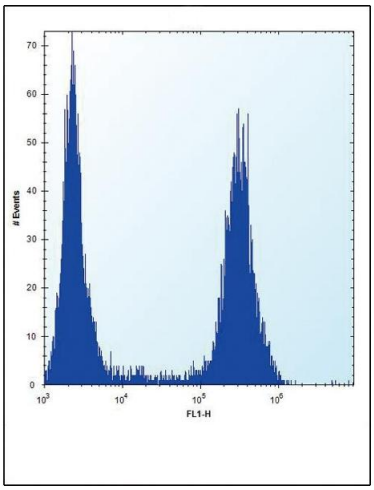
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

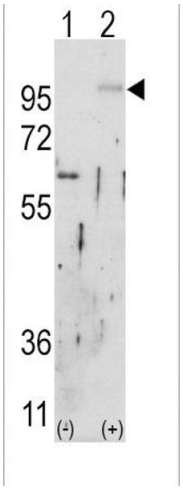
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Images



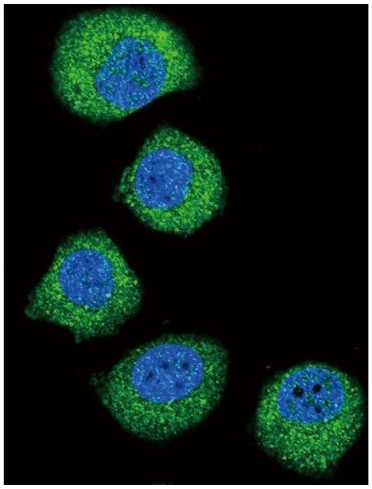
Flow Cytometry

Image 1. FGFR2-Antibody (ABIN391968 and ABIN2841764) flow cytometric analysis of cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of FGFR2 (arrow) using rabbit polyclonal FGFR2 Antibody (ABIN391968 and ABIN2841764). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the FGFR2 gene (Lane 2) (Origene Technologies).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of FGFR2 Antibody (ABIN391968 and ABIN2841764) with cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 5 images are available for ABIN391968.